Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	11/27/2017 10:34 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124408	-1	1.38	124176	1.31
Blue	F	SSC	125000	125425	0	3.16	125549	2.96
Blue	E	FITC	23615	22761	-4	2.43	1017	9.91
Blue	D	PE	26739	26571	-1	2.00	953	9.54
Blue	B	PerCP-Cy5-5	48339	47922	-1	3.41	1370	16.44
Blue	A	PE-Cy7	45021	44700	-1	5.10	685	34.61
Red	C	APC	53064	52471	-2	3.01	3013	9.44
Red	A	APC-Cy7	57175	56671	-1	3.02	1178	11.27
Violet	B	V450	14728	14227	-4	4.78	680	9.51
Violet	A	V500	58621	58039	-1	4.56	2567	6.91

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19300	2.60	605	-9	N/A	N/A	Pass
Blue	F	SSC	61968	1.44	542	-4	N/A	N/A	Pass
Blue	E	FITC	111	37.07	540	-8	0.0220	68	Pass
Blue	D	PE	207	28.51	532	-4	0.1714	247	Pass
Blue	B	PerCP-Cy5-5	214	43.28	629	-6	0.0108	79	Pass
Blue	A	PE-Cy7	75	117.05	686	-7	0.0127	19	Pass
Red	C	APC	353	27.80	596	-1	0.0210	102	Pass
Red	A	APC-Cy7	129	40.07	578	-2	0.0055	1518	Pass
Violet	B	V450	82	41.65	463	-7	0.0424	1607	Pass
Violet	A	V500	186	20.65	491	-6	0.0141	0	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.19	-31.67	0.93
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.33
Red	19.20	14.40 - 21.60	N/A	N/A	31.22	31.74	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 14315

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments